GV-FE2301 2MP H.264 WDR Fisheye IP Camera

Introduction

The GV-FE2301 is a fisheye camera that allows you to monitor all angles of a location using just one camera. The distorted hemispherical image of the fisheye camera will be converted into the conventional rectilinear projection.

Without installing any software, you can watch live view and utilize functions such as motion detection, privacy mask, and alert notification through the Web interface using an IE browser. In addition, the GV-FE2301 seamlessly integrates with the GV-System, providing advanced monitoring and video management features.

The GV-Fisheye IP Camera is designed to be mounted on the ceiling, wall or ground. There are two ways to mount the GV-FE2301 on the ceiling, Hard Ceiling Mount and In-Ceiling Mount. In-Ceiling Mount allows the GV-FE2301 to be mounted into the ceiling, revealing a small portion of the camera.

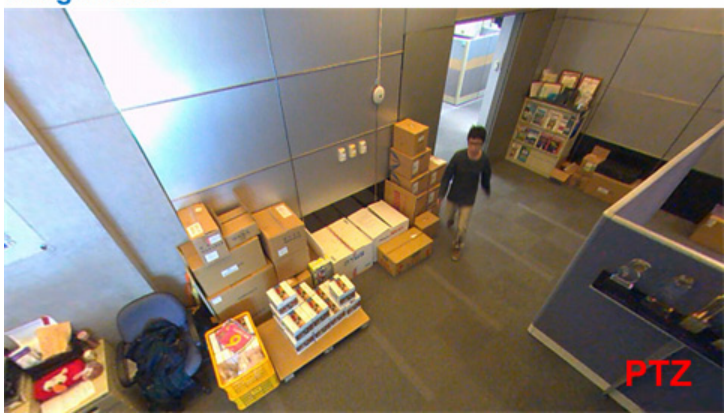
Key Features

- 2 MP progressive scan CMOS
- H.264 and MJPEG
- Electronic day and night function
- Wide Dynamic Range (WDR)
- Provides 360° and 180° panorama view
- No mechanical moving parts
- Built-in micro SD card slot (SD/SDHC) for local storage
- Virtual PTZ function
- Auto Pan function
- Object tracking
- Built-in Web server for monitoring through IE browser
- Different angle of view controllable by multiple users at the same time
- Up to 15 fps at 1440 x 1376
- Built-in microphone and speaker
- One sensor input and alarm output
- DC 12V / AC 24V / PoE
- Playback from any view angle and zoom level
- Privacy mask to cover parts of the image that should not be viewable
- Visual automation
- Tampering alarm
- Text overlay
- 31 languages on web interface
- ONVIF (Profile S) conformant

* No memory card slot & local storage function for Argentina

Fisheye Source Image

Single View

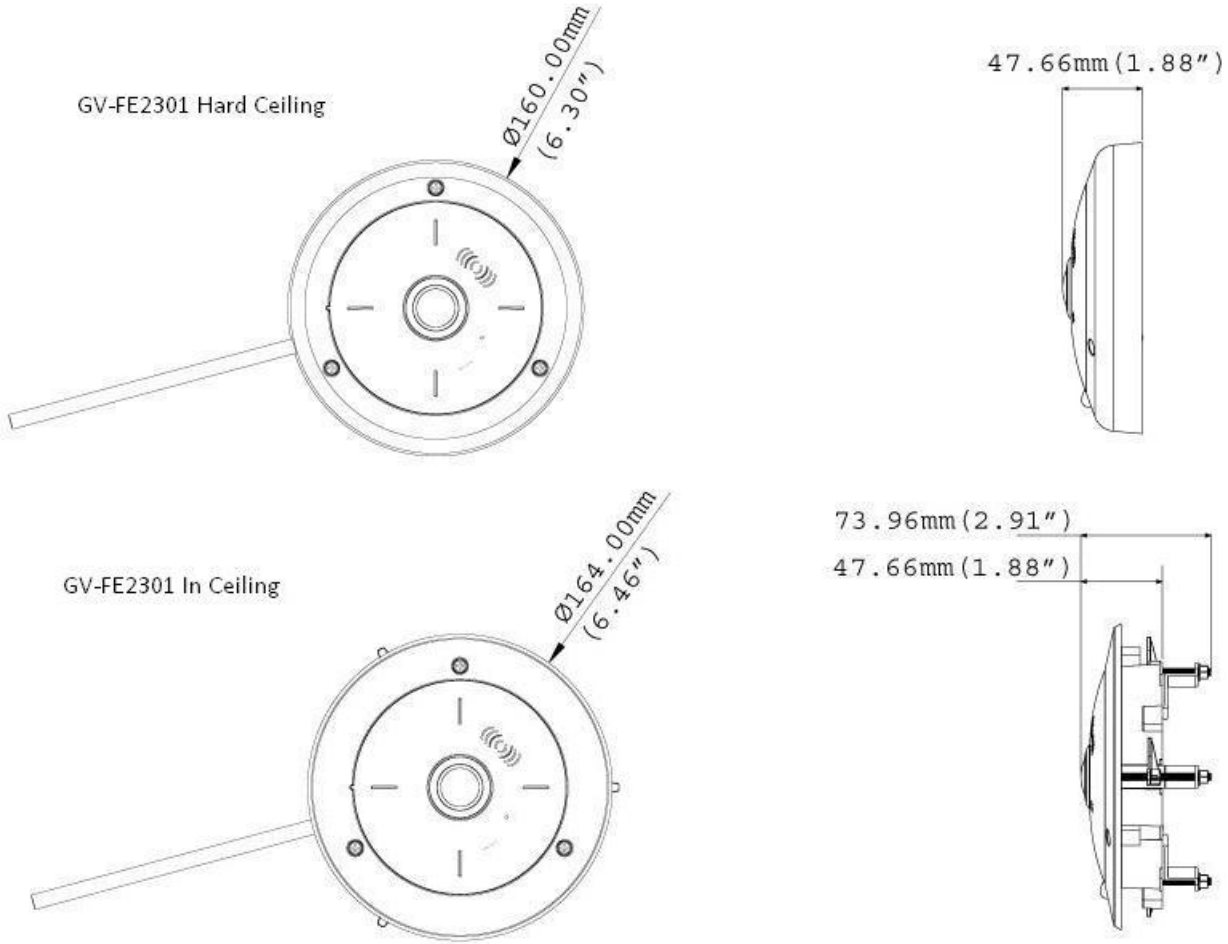


2 x 180° View

360° View

Quad View

Dimensions



Specifications

System Requirements		
OS	32-bit	Windows XP / Vista / 7 / Server 2008
	64-bit	Windows 7 / Server 2008
GV-System Version		GV-System V8.5.6 with patch or later
Browser		Internet Explorer 7.x or later
Camera		
Image Sensor		1/2.5" progressive scan CMOS
Picture Elements		1440 (H) x 1376 (V)
Minimum Illumination	Color	0.15 Lux
	B/W	0.10 Lux
Shutter Speed		Automatic, Manual (1/5 – 1/8000 sec.)
White Balance		Automatic, Manual (2800K – 8500K)
Gain Control		Automatic
S/N Ratio		45 dB
Optics Lens		
Megapixel		Yes
Day/Night		Yes (electronic)
Iris		Fixed Iris
Focal Length		1.05 mm
Aperture		F/2.8
Mount		M12, Pitch 0.5 mm
Image Format		1/2"
Operation	Focus	Fixed
	Zoom	Fixed
	Iris	Fixed

Operation			
Video Compression			H.264, MJPEG
Video Streaming			Single stream from H.264 or MJPEG
Frame Rate			15 fps
Image Setting			Brightness, Contrast, Sharpness, Gamma, White Balance, Flicker-less, Backlight Compensation, Image Orientation, Shutter Speed, Day / Night, WDR, Defog
Audio Compression			G.711, AAC (optional)
Audio Support			Two-Way Audio
Sensor Input			1 Digital Input (Dry Contact)
Alarm Output			1 Digital Output
Network			
Interface			10/100 Ethernet
Protocol			HTTP, HTTPS, TCP, UDP, SMTP, FTP, DHCP, NTP, UPnP, DynDNS, RTSP, PSIA, SNMP, QoS (DSCP), ONVIF (Profile S)
Mechanical			
Lens Mounting			M12, Pitch 0.5 mm (0.02”)
Temperature Detector			Yes
Mechanical			
Connectors	Power		Terminal block (3 pin), PoE
	Ethernet		Ethernet (10/100 Base-T), RJ-45 Connector
	Audio		Built-in microphone and speaker
	Digital I/O		I/O Wire
	Auto Iris		None
	Local Storage		Micro SD card slot (SD/SDHC, SD version 2.0 only, Class 10) * **SDXC** and **UHS-I** card types are not supported.
	TV-Out		None
General			
Environment Temperature			0 °C ~ 50 °C (32 °F ~ 122 °F)
Humidity			10% to 90% (no condensation)
Power Source			12V DC / 24V AC / PoE (IEEE802.3af)
Max. Power Consumption			5 W
Dimension	Camera Body	Hard-Ceiling Mount	ø 160 x 47.66 mm (6.30” x 1.88”)
		In-Ceiling Mount	ø 164 x 47.66 mm (6.46” x 1.88”)
	Cable Length		1 m (3.28 ft.)
	Cable Diameter		ø 8 mm (0.31”)
	Maximum Connector Diameter		ø 28.5 mm (1.12”)
Weight			650 g (1.43 lb)
Regulatory			CE, FCC, C-Tick, RoHS compliant
Power over Ethernet			
PoE Standard			IEEE 802.3af Power over Ethernet / PSE
PoE Power Supply Type			End-Span
PoE Power Output			Per Port 48V DC, 350mA. Max. 15.4 watts
Web Interface			
Installation Management			Web-based configuration
Maintenance			Firmware upgrade through Web Browser or Utility
Access from Web Browser			Camera Live View, Video Recording, Change Video Quality, Bandwidth Control, Image Snapshot, Digital I/O Control, Audio, Picture in Picture, Picture and Picture, Privacy Mask, Visual Automation, Tampering Alarm, Auto Pan Function, Virtual PTZ, Motion Detection, Wide Angle Lens Dewarping, Text Overlay, Digital PTZ
Language			Arabic / Bulgarian / Czech / Danish / Dutch / English / Finnish / French / German / Greek / Hebrew / Hungarian / Indonesian / Italian / Japanese / Lithuanian / Norwegian / Persian / Polish / Portuguese / Romanian / Russian / Serbian / Simplified Chinese / Slovakian / Slovenian / Spanish / Swedish / Thai / Traditional Chinese / Turkish

Applications	
Network Storage	GV-NVR, GV-System, GV-Backup Center, GV-Recording Server
Live Viewing	IE , mobile phone
CMS Server Support	GV-Control Center, GV-Center V2, GV-VSM

Note: Specifications are subject to change without notice.

Packing List

1. Fisheye Camera
2. Camera Cover (Hard Ceiling Mount)
3. Screw (Hard Ceiling Mount) x 3
4. Plastic Screw Anchor x 3
5. Camera Cover (In-Ceiling Mount)
6. Screw (In-Ceiling Mount) x 3
7. Support Bracket x 3
8. Torx Wrench

Accessories

Model No.	Name		Details
GV-Mount100	**Straight Tube and Junction Box Kit**		Dimensions: 200 x 170 x 257.5 mm (7.9” x 6.7” x 10.1”) Weight: 3.17 Kg (6.99 lb)
GV-Mount101	**Straight Tube Kit**		Dimensions: 219 x 125 x 332 mm (8.6” x 4.9” x 13.1”) Weight: 1.8 Kg (3.97 lb)
GV-Mount200	**Wall Pendant Tube**		Dimensions: 225 x 140 x 250 mm (8.9” x 5.5” x 9.8”) Weight: 900 g (1.98 lb)
GV-Mount203	**Wall Pendant Tube and Junction Box Kit**		Dimensions: 315 x 195.5 x 225 mm (12.4” x 7.7” x 8.9”) Weight: 2.95 Kg (6.5 lb)
GV-Mount300	**Convex Corner Adapter Kit**		Dimensions: 238.6 x 409.5 mm (9.4” x 16.1”) Weight: 4.27 Kg (9.41 lb)

Model No.	Name		Details
GV-Mount310	**Concave Corner Adapter Kit**		Dimensions: 238.6 x 409.5 mm (9.4” x 16.1”) Weight: 4.27 Kg (9.41 lb)
GV-Mount400	**Pole Mount Bracket Kit (Ø 4" ~ 6")**		Bracket: 241 x 161 mm (9.5” x 6.3”) Weight: 1.70 Kg (3.75 lb) Steel Strap Diameter: Ø 4" ~ 6"
GV-Mount410	**Pole Mount Bracket Kit (Ø 6" ~ 7.5")**		Bracket: 241 x 161 mm (9.5” x 6.3”) Weight: 1.70 Kg (3.75 lb) Steel Strap Diameter: Ø 6" ~ 7.5"
GV-Mount702	**Extension Tube**		**Four** options are available. Dimensions: Ø 5.4 x 10 or 20 or 30 or 50 cm (Ø 2.1” x 3.9” or 7.9” or 11.8” or 19.7”) Weight: 180 g or 390 g or 550 g or 800 g (0.4 lb or 0.86 lb or 1.21lb or 1.76 lb)
GV-Mount903	**Fisheye Dome Housing**		Dimensions: Ø 186 x 97.5 mm (Ø 7.3” x 3.8”) Weight: 700 g (1.54 lb)
GV-Mount904	**Tilting Wall Mount Bracket**		Dimensions: Ø 159.1 x 40.5 mm (Ø 6.3” x 1.6”) Weight: 400 g (0.88 lb)
GV-Mount912	**Power Box Mount Bracket**		Dimensions: Ø 146 x 10.5 mm (Ø 5.7’’ x 0.4’’) Weight: 180 g (0.4 lb)

Model No.	Name	Details
GV-PA191	**Power over Ethernet (PoE) Adapter**	The GV-PA191 is a Power over Ethernet (PoE) adapter designed to provide power to the IP device through a single Ethernet cable.
Power Adapter		Power adapters are available in 4 regions: U.S.A., Australia, U.K and Europe.
GV-POE Switch		The GV-POE Switch is designed to provide power along with network connection for IP devices. The GV-POE Switch is available in various models with different numbers and types of ports.